ComX Computers
Product Specification Sheet

90YV09M2-M0NM00

ASUS ROG Strix GeForce GTX 1080 Advanced Edition 8Gb/8192mb DDR5X 256bit Graphics Card

Product Overview

Asus STRiX-GTX1080-A8G-gaming Advanced edition - Aura RGB Lighting (front+backplate) with 6 colours scheme, DirectCU 3(iii) with tripple fan design + back-sided heatsink + 10mm copper heatpipes with DCH (Direct Contact Heatpipes), support 0dB silent mode, DIGI+ VRM with 8+2-phase Super Alloy Power ii, 16nm, 3-way SLi support, PCI-E 3.0 16x, support Adaptive Vertical Sync, support 4xdisplay, FXAA+TXAA; 8Gb/8192mb DDR5X 256bit, RoPs: 64, 320Gb/sec memory transfer, 2560 cuda cores (pixel shader engine + vertex pipelines), 8228GFLoPS, 257GTexels/Sec, 160x TMUs, core clock: 1695/1839mhz; memory: 10010mhz, free 1-year premium XSplit Gamecaster, dvi+ HDMi+ VR-HDMi + 2x DP



Specifications

Features:

OUTSHINE THE COMPETITION
ROG Strix GeForce® GTX 1080 gaming graphics cards are packed with exclusive ASUS technologies, including DirectCU III Technology with Patented Wing-Blade Fans for 30% cooler and 3X quieter performance, and Industry-only Auto-Extreme Technology for premium quality and the best reliability. Aura RGB Lighting enables a gaming system personalization and VR-friendly HDMI ports let gamers easily enjoy immersive virtual reality experiences. ROG Strix GeForce® GTX 1080 also has GPU Tweak II with XSplit Gamecaster that provides intuitive performance tweaking and instant gameplay streaming.

DirectCU III Technology with Direct-GPU Contact Heatpipes
Exclusive DirectCU III cooling technology features direct-GPU contact heatpipes that transports more heat away from the GPU and outperform reference designs, achieving up to 30% cooler gaming performance.

Max Air Flow with 105% More Air Pressure
DirectCU III features triple 0dB fans engineered with a patented wing-blade design that delivers maximum air flow and improved 105% static pressure over the heat sink, while operating at 3X quieter volumes than reference cards. The 0dB fans also let you enjoy games in complete silence and make DirectCU III the coolest and quietest graphics card in the market.

Targeted Supplemental Cooling
When gaming, GPU temperatures are often higher than CPU temps. However, chassis fans usually reference CPU temperatures only, which results in inefficient cooling of the system. For optimal thermal performance, ROG Strix graphics cards feature two 4-pin GPU-controlled headers that can be connected to system fans for targeted cooling.

Auto-Extreme Technology

All ASUS graphics cards are now produced using Auto-Extreme Technology, an industry-exclusive, 100% automated production process that incorporates premium materials to set a new standard of quality. Auto-Extreme Technology ensures consistent graphics card quality as well as improved performance and longevity. This new manufacturing process is also environmentally friendly, eliminating harsh chemicals and reducing power consumption by 50%.

8+2 Phase Super Alloy Power II
ASUS engineers have integrated premium alloy components into their graphics card designs to reinforce overall reliability. Super Alloy Power II components greatly enhance efficiency, reduce power loss and achieve thermal levels that are approximately 50% cooler than previous designs.

Aura RGB Lighting
Featuring Aura RGB Lighting on both the shroud and backplate, ROG Strix graphics cards are capable of displaying millions of colors and six different effects for a personalized gaming system.

Enjoy Immersive Virtual Reality Experience
ROG Strix graphics cards have two HDMI ports for connecting a VR device and display at the same time, so you can enjoy immersive virtual reality experiences anytime without having to swap cables.

Enjoy the Flawless and Complete Gameplay
NVIDIA G-SYNC™ synchronizes the ROG Swift gaming monitor's refresh rate to the GPU in your GeForce® GTX-powered PC, eliminating screen tearing and minimizing display stutter and input lag. With ROG Strix gaming graphics cards and ROG Swift gaming monitors, scenes appear instantly, objects look sharper, and gameplay is super smooth, giving you a stunning visual experience and a serious competitive edge.

GPU Tweak II with XSplit Gamecaster
Redesigned with an intuitive, all-new UI, GPU Tweak II makes overclocking easier and more visual than ever, while still retaining advanced options for seasoned overclockers. With one click, the new Gaming Booster function maximizes system performance by removing redundant processes and allocating all available resources automatically.

Gaming Booster
Visual effects: Boost your performance by turning off windows visual effects.
System Services: Automatically or manually turn off windows services or process.
Memory Defragmentation: Re-arrange & free your system memory without closing any processes.

XSplit Gamecaster
An included 1-year XSplit Gamecaster premium license* - a $99 USD value - lets you easily stream or record gameplay via a convenient, in-game overlay. The overlay also displays GPU clock speed, temperature, and VRM usage, and has GPU Tweak II controls, so gamers can choose a gaming profile and boost performance with just one click.

ROG Strix
ROG Strix is the newest recruit into the Republic of Gamers. A series of specialized gaming gear designed for the rebel in all of us, Strix exemplifies ROG's premier performance, innovative technology, and leading quality, but with its own confident and dynamic attitude. Featuring bold designs and bright colors, this exciting new series possesses a spirit of fierce individualism that charges every gaming experience with thrilling energy. ROG Strix equips players with the necessary speed and agility to dominate their game. A new generation of force has arrived. Join the Republic and experience the power of ROG Strix.

Specifications:

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Specifications	
Product Code	90YV09M2-M0NM00
Graphics Engine	NVIDIA GeForce GTX 1080
Bus Standard	PCI Express 3.0
OpenGL	OpenGL 4.5
Video Memory	GDDR5X 8GB
Engine Clock	OC Mode - GPU Boost Clock : 1835 MHz, GPU Base Clock : 1695 MHz
	Gaming Mode (Default) - GPU Boost Clock : 1809 MHz, GPU Base Clock : 1670 MHz
	*Retail goods are with default Gaming Mode, OC Mode can be adjusted with one click on GPU Tweak II
CUDA Core	2560
Memory Clock	10010 MHz
Memory Interface	256-bit
Resolution	Digital Max Resolution:7680 x 4320
Interface	DVI Output : Yes x 1 (Native) (DVI-D)
	HDMI Output : Yes x 2 (Native) (HDMI 2.0)
	Display Port : Yes x 2 (Native) (Regular DP)
	HDCP Support : Yes
Accessories	2 x ROG Velcro Hook & Loop
Software	ASUS GPU Tweak II & Driver
Dimensions	11.73 " x 5.28 " x 1.57 " Inch
	29.8 x 13.4 x4 Centimeter

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/90YV09M2-M0NM00-ASUS-ROG-Strix-GeForce-GTX-1080-Advanced-Edition-8Gb-8192mb-DDR5X-p-185031.php

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